



		NTSB ID: SEA96LA126		Aircraft Registration Number: N538AJ	
		Occurrence Date: 06/18/1996		Most Critical Injury: None	
		Occurrence Type: Accident		Investigated By: NTSB	
Location/Time					
Nearest City/Place JACKSON		State WY	Zip Code 83001	Local Time 1915	Time Zone MDT
Airport Proximity: On Airport		Distance From Landing Facility: 0		Direction From Airport:	
Aircraft Information Summary					
Aircraft Manufacturer PRICE		Model/Series BERKUT		Type of Aircraft Airplane	
Sightseeing Flight: No			Air Medical Transport Flight: No		
Narrative					
<p>Brief narrative statement of facts, conditions and circumstances pertinent to the accident/incident:</p> <p>On June 18, 1996, approximately 1915 hours mountain daylight time, a homebuilt Price Berkut, N538AJ, registered to and being flown by a private pilot, was substantially damaged when the landing gear collapsed on landing roll on runway 18 at the Jackson Hole airport, Jackson, Wyoming. The pilot was uninjured. No flight plan was in effect and visual meteorological conditions existed at the time. The flight, which was personal, was to have been operated under 14CFR91, and originated from Sioux City, Iowa, approximately 1500.</p> <p>The pilot reported that approaching the Jackson Hole airport while in turbulence the landing gear "transition" light (indicating hydraulic pump operation) illuminated even though the gear was presumed to be retracted. When the pilot attempted to lower the landing gear they remained retracted. He then manually lowered the gear and the nose landing gear green "down and locked" light illuminated but the corresponding main gear lights did not. The pilot attempted side load maneuvers and high "G" pull-ups to attempt to lock the main landing gear without success and the corresponding main gear green lights remained out. He then executed an approach and landing during which the main landing gear collapsed on rollout and the aircraft impacted several runway light during the subsequent ground slide.</p> <p>The pilot reported in a subsequent telephone conversation that the electrically driven hydraulic motor which operates the landing gear had burned out. Additionally, he reported that the over-center downlock springs which insure the main landing achieving a down-and-locked condition when the hydraulic system has failed, were not installed in the aircraft by the owner/builder from whom he purchased the aircraft. The pilot submitted only pages 1 through 4 of the NTSB Form 6120.1/2 and did not include a narrative history of flight.</p>					
FACTUAL REPORT - AVIATION					

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		Occurrence Type: Accident			
Landing Facility/Approach Information					
Airport Name JACKSON HOLE	Airport ID: JAC	Airport Elevation 6445 Ft. MSL	Runway Used 18	Runway Length 6299	Runway Width 150
Runway Surface Type: Asphalt					
Runway Surface Condition: Dry					
Type Instrument Approach: NONE					
VFR Approach/Landing: Full Stop					
Aircraft Information					
Aircraft Manufacturer PRICE		Model/Series BERKUT		Serial Number 011	
Airworthiness Certificate(s): Experimental (Special)					
Landing Gear Type: Retractable - Tricycle					
Homebuilt Aircraft? Yes	Number of Seats: 2	Certified Max Gross Wt. 2000 LBS		Number of Engines: 1	
Engine Type: Reciprocating	Engine Manufacturer: Lycoming		Model/Series: IO-360-B1A		Rated Power: 200 HP
- Aircraft Inspection Information					
Type of Last Inspection Unknown	Date of Last Inspection	Time Since Last Inspection Hours		Airframe Total Time 46 Hours	
- Emergency Locator Transmitter (ELT) Information					
ELT Installed? No	ELT Operated?		ELT Aided in Locating Accident Site?		
Owner/Operator Information					
Registered Aircraft Owner DANIELS, JOHN, R.		Street Address 842 NORTH LAS CASAS AVENUE			
		City PAC. PALISADES	State CA	Zip Code 90272	
Operator of Aircraft Same as Reg'd Aircraft Owner		Street Address Same as Reg'd Aircraft Owner			
		City	State	Zip Code	
Operator Does Business As:			Operator Designator Code:		
- Type of U.S. Certificate(s) Held: None					
Air Carrier Operating Certificate(s):					
Operating Certificate:			Operator Certificate:		
Regulation Flight Conducted Under: Part 91: General Aviation					
Type of Flight Operation Conducted: Personal					
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First Pilot Information																																																																																					
Name		City		State	Date of Birth	Age																																																																															
On File		On File		On File	On File	58																																																																															
Sex: U	Seat Occupied: Front	Principal Profession: Unknown		Certificate Number: On File																																																																																	
Certificate(s): Private																																																																																					
Airplane Rating(s): Single-engine Land																																																																																					
Rotorcraft/Glider/LTA: Helicopter																																																																																					
Instrument Rating(s): Airplane																																																																																					
Instructor Rating(s): None																																																																																					
Type Rating/Endorsement for Accident/Incident Aircraft? No				Current Biennial Flight Review?																																																																																	
Medical Cert.: Class 2		Medical Cert. Status: Valid Medical--w/ waivers/lim.			Date of Last Medical Exam: 10/1994																																																																																
<table border="1"> <tr> <th rowspan="2">- Flight Time Matrix</th> <th rowspan="2">All A/C</th> <th rowspan="2">This Make and Model</th> <th rowspan="2">Airplane Single Engine</th> <th rowspan="2">Airplane Multi-Engine</th> <th rowspan="2">Night</th> <th colspan="2">Instrument</th> <th rowspan="2">Rotorcraft</th> <th rowspan="2">Glider</th> <th rowspan="2">Lighter Than Air</th> </tr> <tr> <th>Actual</th> <th>Simulated</th> </tr> <tr> <td>Total Time</td> <td>1900</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Pilot In Command(PIC)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Instructor</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 90 Days</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 30 Days</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 24 Hours</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>							- Flight Time Matrix	All A/C	This Make and Model	Airplane Single Engine	Airplane Multi-Engine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air	Actual	Simulated	Total Time	1900										Pilot In Command(PIC)											Instructor											Last 90 Days											Last 30 Days											Last 24 Hours										
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Seatbelt Used? Yes		Shoulder Harness Used? Yes		Toxicology Performed? No		Second Pilot? No																																																																															
Flight Plan/Itinerary																																																																																					
Type of Flight Plan Filed: None																																																																																					
Departure Point		State	Airport Identifier	Departure Time	Time Zone																																																																																
SIOUX CITY		IA	SUX	1500	CDT																																																																																
Destination		State	Airport Identifier																																																																																		
Same as Accident/Incident Location			JAC																																																																																		
Type of Clearance: VFR Flight Following																																																																																					
Type of Airspace: Class D																																																																																					
Weather Information																																																																																					
Source of Briefing:																																																																																					
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Weather Information					
WOF ID	Observation Time	Time Zone	WOF Elevation	WOF Distance From Accident Site	Direction From Accident Site
JAC	1915	MDT	6445 Ft. MSL	0 NM	0 Deg. Mag.
Sky/Lowest Cloud Condition: Clear			0 Ft. AGL	Condition of Light: Day	
Lowest Ceiling: None			0 Ft. AGL	Visibility: 10 SM	Altimeter: 30.00 "Hg
Temperature: 15 °C		Dew Point: -6 °C	Wind Direction: 230		Density Altitude: Ft.
Wind Speed: 15		Gusts: 19	Weather Conditions at Accident Site: Visual Conditions		
Visibility (RVR): 0 Ft.		Visibility (RVV) 0 SM	Intensity of Precipitation: Unknown		
Restrictions to Visibility: None					
Type of Precipitation: None					
Accident Information					
Aircraft Damage: Substantial		Aircraft Fire: None		Aircraft Explosion: None	
Classification: U.S. Registered/U.S. Soil					
- Injury Summary Matrix	Fatal	Serious	Minor	None	TOTAL
First Pilot				1	1
Second Pilot					
Student Pilot					
Flight Instructor					
Check Pilot					
Flight Engineer					
Cabin Attendants					
Other Crew					
Passengers					
- TOTAL ABOARD -				1	1
Other Ground	0	0	0		0
- GRAND TOTAL -	0	0	0	1	1

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Administrative Information

Investigator-In-Charge (IIC)

STEVEN A. MCCREARY

Additional Persons Participating in This Accident/Incident Investigation: